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USACE / CESAJ

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DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS

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Superseding  
CEGS 01312 (July 2001)  
Coordinated with  
UFGS 01312A (Aug 2001)

# JACKSONVILLE DISTRICT LOCAL MASTER GUIDE SPECIFICATION

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## SECTION 01312

### QUALITY CONTROL SYSTEM (QCS) 07/03

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NOTE: This guide specification covers the requirements for use of the Quality Control System (QCS) for contract monitoring and administration.

Comments and suggestions are welcome. Using e-mail for feedback is encouraged. Comments should be directed to:

Engineering Division, Design Branch, Specifications Section.

ALL COMMENTS RECEIVED WILL BE DISSEMINATED TO THE PROPER OFFICE FOR RESPONSE.

The clauses and sections listed below are closely related to this Section and must be coordinated with this section. These clauses and Sections should reference Section 01312 QUALITY CONTROL SYSTEM (QCS) whenever appropriate and necessary to require use of QCS by the Contractor.

- Contract Clause, SCHEDULES FOR CONSTRUCTION CONTRACTS
- Contract Clause, PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS
- Section 01320 PROJECT SCHEDULE
- Section 01321 CONSTRUCTION PROGRESS
- DOCUMENTATION
- Section 01330 SUBMITTAL PROCEDURES
- Section 01451 CONTRACTOR QUALITY CONTROL
- Section 01452 DREDGING/BEACH FILL PLACEMENT - CONTRACTOR QUALITY CONTROL

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PART 1 GENERAL

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**NOTE: This guide specification contains requirements which may be included in projects when applicable; requirements will be added, deleted, or modified as necessary to satisfy project conditions.**  
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## 1.1 GENERAL REQUIREMENTS

The Government will use the Resident Management System for Windows (RMS) to assist in its monitoring and administration of this contract. The Contractor shall use the Construction Contractor Module of RMS, referred to as QCS, to record, maintain, and submit various information throughout the contract period. This joint Government-Contractor use of RMS and QCS will facilitate electronic exchange of information and overall management of the contract. QCS provides the means for the Contractor to input, track, and electronically share information with the Government in the following areas:

- Administration
- Finances
- Quality Control
- Submittal Monitoring
- Scheduling
- Import/Export of Data

### 1.1.1 Correspondence and Electronic Communications

For ease and speed of communications, both Government and Contractor will, to the maximum extent feasible, exchange correspondence and other documents in electronic format. Correspondence, pay requests and other documents comprising the official contract record shall also be provided in paper format, with signatures and dates where necessary. Paper documents will govern, in the event of discrepancy with the electronic version.

### 1.1.2 Other Factors

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**NOTE: Delete appropriate bracketed reference.**  
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**CESAJ Section 01320 PROJECT SCHEDULE requires submission of Network Analysis Summary (NAS).**  
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**CESAJ Section 01321 CONSTRUCTION PROGRESS DOCUMENTATION replaces paragraph CONSTRUCTION PROGRESS SCHEDULE previously shown in CESAJ Section 01000 GENERAL REQUIREMENTS and is applicable to ALL JOBS not requiring a NAS.**  
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Particular attention is directed to Clauses SCHEDULES FOR CONSTRUCTION CONTRACTS and PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS of Section 00700 CONTRACT CLAUSES; and Sections [01320 PROJECT SCHEDULE,] [01321 CONSTRUCTION PROGRESS DOCUMENTATION,] 01330 SUBMITTAL PROCEDURES, and [01451 CONTRACTOR QUALITY CONTROL] [01452 DREDGING/BEACH FILL PLACEMENT - CONTRACTOR QUALITY CONTROL], which have a direct relationship to the reporting to be accomplished through QCS. Also, there is no separate payment for establishing and maintaining the QCS database; all costs associated therewith shall be included in the contract pricing for the work.

## PART 2 PRODUCTS

### 2.1 QCS SOFTWARE

QCS is a Windows-based program that can be run on a stand-alone personal computer or on a network. Prior to the Preconstruction Conference, the Contractor shall be responsible to download, install and use the latest version of the QCS software located on the following Internet web site: <http://winrms.usace.army.mil/contractor's.htm>. Upon specific justification and request by the Contractor, the Government can provide QCS on CD-ROM. Any program updates of QCS will be made available to the Contractor via the web site shown above as they become available. For assistance in installing QCS Program, the Contractor shall contact the RMS Support Center at the phone number provided at <http://winrms.usace.army.mil>.

### 2.2 SYSTEM REQUIREMENTS

The following listed hardware and software is the minimum system configuration that the Contractor shall have to run QCS:

#### 2.2.1 Hardware

- a. IBM-compatible PC with 200 MHz Pentium or higher processor
- b. 32+ MB RAM
- c. 4 GB hard drive disk space for sole use by the QCS system
- d. 3-1/2 inch high-density floppy drive
- e. Compact disk (CD) Reader
- f. Color monitor
- g. Laser printer compatible with HP LaserJet III or better, with minimum 4 MB installed memory
- h. Connection to the Internet, minimum 56 BPS

#### 2.2.2 Software

- a. MS Windows 95 or newer version operating system (MS Windows NT 4.0 or newer is recommended)
- b. Word Processing software compatible with MS Word 97 or newer
- c. Internet browser
- d. The Contractor's computer system shall be protected by virus protection software that is regularly upgraded with all issued manufacturer's updates throughout the life of the contract
- e. Electronic mail (E-mail) compatible with MS Outlook

## PART 3 EXECUTION

### 3.1 RELATED INFORMATION

#### 3.1.1 QCS User Guide

After contract award, the Contractor shall download instructions for the installation and use of QCS from the Internet web site shown in paragraph QCS SOFTWARE above. In case of justifiable difficulties, the Government can provide the Contractor with a CD-ROM containing these instructions.

#### 3.1.2 Contractor Quality Control (CQC) Training

The use of QCS will be discussed with the Contractor's QC System Manager during the mandatory CQC Training class.

### 3.2 CONTRACT DATABASE

At the Preconstruction Conference, the Government shall provide the Contractor with a Government exported RMS data file with basic contract award data to use for QCS. This Government exported RMS data file shall be imported into QCS. The Government will provide data updates to the Contractor as needed, generally by files attached to E-mail. These updates will generally consist of submittal reviews, correspondence status, QA comments, and other administrative and QA data.

### 3.3 DATABASE MAINTENANCE

The Contractor shall establish, maintain, and update data for the contract in the QCS database throughout the duration of the contract. The Contractor shall establish and maintain the QCS database at the Contractor's site office. Data updates to the Government shall be submitted by E-mail with file attachments, e.g., daily reports, schedule updates, payment requests. If permitted by the Contracting Officer, a data diskette or CD-ROM may be used instead of E-mail (see paragraph DATA SUBMISSION VIA COMPUTER DISKETTE OR CD-ROM). The QCS database typically shall include current data on the following items:

#### 3.3.1 Administration

##### 3.3.1.1 Contractor Information

The database shall contain the Contractor's name, address, telephone numbers, management staff, and other required items. Within 14 calendar days after the Preconstruction Conference, the Contractor shall deliver Contractor administrative data in electronic format via E-mail.

##### 3.3.1.2 Subcontractor Information

The database shall contain the name, trade, address, phone numbers, and other required information for all subcontractors. A subcontractor must be listed separately for each trade to be performed. Each subcontractor/trade shall be assigned a unique Responsibility Code, provided in QCS. Within 7 calendar days after the Preconstruction Conference, the Contractor shall deliver subcontractor administrative data in electronic format via E-mail.

##### 3.3.1.3 Correspondence

All Contractor correspondence to the Government shall be identified with a serial number. Correspondence initiated by the Contractor's site office shall be prefixed with "S". Letters initiated by the Contractor's home (main) office shall be prefixed with "H". Letters shall be numbered starting from 0001; e.g., H-0001 or S-0001. The Government's letters to the Contractor will be prefixed with "C".

##### 3.3.1.4 Requests for Information

QCS includes a means for the Contractor to enter, log, and transmit requests for information (RFI) to the Government. RFIs can be exchanged electronically using the import/export functions of QCS. The Contractor shall also provide the Government with a signed, printed copy of each RFI. All RFIs from the Contractor to the Government shall have the prefix "RFI" and shall be numbered sequentially beginning with RFI-0001.

##### 3.3.1.5 Equipment

The Contractor's QCS database shall contain a current list of equipment planned for use or being used on the jobsite, including the most recent and planned equipment inspection dates.

### 3.3.1.6 Management Reporting

QCS includes a number of reports that Contractor management can use to track the status of the project. The value of these reports is reflective of the quality of the data input, and is maintained in the various sections of QCS. Among these reports are: Progress Payment Request worksheet, QA/QC comments, Submittal Register Status, Three-Phase Inspection checklists.

### 3.3.2 Finances

#### 3.3.2.1 Pay Activity Data

The QCS database shall include a list of pay activities that the Contractor shall develop in conjunction with the construction schedule. The sum of all pay activities shall be equal to the total contract amount, including modifications. Pay activities shall be grouped by Contract Line Item Number (CLIN), and the sum of the activities shall equal the amount of each CLIN. The total of all CLINs equals the Contract Amount.

#### 3.3.2.2 Payment Requests

All progress payment requests shall be prepared using QCS. The Contractor shall complete the payment request worksheet and include it with the payment request. The work completed under the contract, measured as percent or as specific quantities, shall be updated at least monthly. After the update, the Contractor shall generate a payment request report using QCS. The Contractor shall submit the payment requests with supporting data by E-mail with file attachment(s). If permitted by the Contracting Officer, a data diskette may be used instead of E-mail. A signed paper copy of the approved payment request is also required, which shall govern in the event of discrepancy with the electronic version.

### 3.3.3 Quality Control (QC)

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**NOTE: Select appropriate reference.**  
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QCS provides a means to track implementation of the 3-phase QC Control System, prepare daily reports, identify and track deficiencies, document progress of work, and support other Contractor QC requirements. The Contractor shall maintain this data on a daily basis. Entered data will automatically output to the QCS generated daily report. The Contractor shall provide the Government a Contractor Quality Control (CQC) Plan within the time required in Section [01451 CONTRACTOR QUALITY CONTROL.] [01452 DREDGING/BEACH FILL PLACEMENT - CONTRACTOR QUALITY CONTROL.] Within 7 calendar days of Government acceptance, the Contractor shall submit a data diskette or CD-ROM reflecting the information contained in the accepted CQC Plan: schedule, pay activities, features of work, submittal register, QC requirements, and equipment list.

#### 3.3.3.1 Daily Contractor Quality Control (CQC) Reports

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**NOTE: Select appropriate reference.**  
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QCS includes the means to produce the Daily CQC Report. The Contractor may use other formats to record basic QC data. However, the Daily CQC Report generated by QCS shall be the Contractor's official report. Data from any supplemental reports by the Contractor shall be summarized and consolidated onto the QCS-generated Daily CQC Report. Daily CQC Reports shall be submitted as required by Section [01451 CONTRACTOR QUALITY CONTROL.] [01452 DREDGING/BEACH FILL PLACEMENT - CONTRACTOR QUALITY CONTROL.] Reports shall be submitted electronically to the Government using E-mail or diskette within 24 hours after the date covered by the report. Use of either mode of submittal shall be coordinated with the Government representative. The Contractor shall also provide the Government a signed, printed copy of the daily CQC report.

#### 3.3.3.2 Deficiency Tracking

The Contractor shall use QCS to track deficiencies. Deficiencies identified by the Contractor will be numerically tracked using QC punch list items. The Contractor shall maintain a current log of its QC punch list items in the QCS database. The Government will log the deficiencies it has identified using its QA punch list items. The Government's QA punch list items will be included in its export file to the Contractor. The Contractor shall regularly update the correction status of both QC and QA punch list items.

#### 3.3.3.3 Three-Phase Control Meetings

The Contractor shall maintain scheduled and actual dates and times of preparatory and initial control meetings in QCS.

#### 3.3.3.4 Accident/Safety Tracking

The Government will issue safety comments, directions, or guidance whenever safety deficiencies are observed. The Government's safety comments will be included in its export file to the Contractor. The Contractor shall regularly update the correction status of the safety comments. In addition, the Contractor shall utilize QCS to advise the Government of any accidents occurring on the jobsite. This brief supplemental entry is not to be considered as a substitute for completion of mandatory reports; e.g., ENG Form 3394 and OSHA Form 200.

#### 3.3.3.5 Features of Work

The Contractor shall include a complete list of the features of work in the QCS database. A feature of work may be associated with multiple pay activities. However, each pay activity (see subparagraph "Pay Activity Data" above) will only be linked to a single feature of work.

#### 3.3.3.6 QC Requirements

The Contractor shall develop and maintain a complete list of QC testing, transferred and installed property, and user training requirements in QCS. The Contractor shall update all data on these QC requirements as work progresses, and shall promptly provide this information to the Government via QCS.

### 3.3.4 Submittal Management

The Government will provide the initial submittal register, ENG Form 4288, in electronic format. Thereafter, the Contractor shall maintain a complete list of all submittals, including completion of all data columns as described in Section 01330 SUBMITTAL PROCEDURES. Dates on which submittals are received and returned by the Government will be included in its export file to the Contractor. The Contractor shall use QCS to track and transmit all submittals. ENG Form 4025, submittal transmittal form, and the submittal register update, ENG Form 4288, shall be produced using QCS. RMS will be used to update, store and exchange submittal registers and transmittals, but will not be used for storage of actual submittals.

### 3.3.5 Schedule

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**NOTE: If the contract requires a NAS, use CESAJ  
Section 01320 PROJECT SCHEDULE; if not, use CESAJ  
Section 01321 CONSTRUCTION PROGRESS DOCUMENTATION.  
Reference to the Contract Clause is applicable to  
either CESAJ Section.**

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The Contractor shall develop a construction schedule consisting of pay activities, in accordance with Clause SCHEDULES FOR CONSTRUCTION CONTRACTS of Section 00700 CONTRACT CLAUSES and [Section 01320 PROJECT SCHEDULE] [Section 01321 CONSTRUCTION PROGRESS DOCUMENTATION], as applicable. This schedule shall be input and maintained in the QCS database [either] manually [or by using the Standard Data Exchange Format (SDEF) (see Section 01320 PROJECT SCHEDULE)]. The updated schedule data shall be included with each pay request submitted by the Contractor.

### 3.3.6 Import/Export of Data

QCS includes the ability to export Contractor data to the Government and to import submittal register and other Government-provided data, and schedule data using SDEF.

## 3.4 IMPLEMENTATION

Contractor use of QCS as described in the preceding paragraphs is mandatory. The Contractor shall ensure that sufficient resources are available to maintain its QCS database, and to provide the Government with regular database updates. QCS shall be an integral part of the Contractor's management of quality control.

## 3.5 DATA SUBMISSION VIA COMPUTER DISKETTE OR CD-ROM

The Government-preferred method for Contractor's submission of updates, payment requests, correspondence and other data is by E-mail with file attachment(s). For locations where this is not feasible, the Contracting Officer may permit use of computer diskettes or CD-ROM for data transfer. Data on the disks or CDs shall be exported using the QCS built-in export function. If used, diskettes and CD-ROMs will be submitted in accordance with the following:

### 3.5.1 File Medium

The Contractor shall submit required data on 3-1/2" double-sided

high-density diskettes formatted to hold 1.44 MB of data, capable of running under Microsoft Windows 95 or newer. Alternatively, CD-ROMs may be used. They shall conform to industry standards used in the United States. All data shall be provided in English.

### 3.5.2 Disk or CD-ROM Labels

The Contractor shall affix a permanent exterior label to each diskette and CD-ROM submitted. The label shall indicate in English, the QCS file name, full contract number, project name, project location, data date, name and telephone number of person responsible for the data.

### 3.5.3 File Names

The Government will provide the file names to be used by the Contractor with the QCS software.

## 3.6 MONTHLY COORDINATION MEETING

The Contractor shall update the QCS database each workday. At least monthly, the Contractor shall generate and submit an export file to the Government with schedule update, submittal register update, and progress payment request. As required in Clause PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS of Section 00700 CONTRACT CLAUSES, at least one week prior to submittal, the Contractor shall meet with the Government representative to review the planned progress payment data submission for errors and omissions. The Contractor shall make all required corrections prior to Government acceptance of the export file and progress payment request. Payment requests accompanied by incomplete or incorrect data submittals will be returned. The Government will not process progress payments until an acceptable QCS export file is received.

## 3.7 NOTIFICATION OF NONCOMPLIANCE

The Contracting Officer will notify the Contractor of any detected noncompliance with the requirements of this specification. The Contractor shall take immediate corrective action after receipt of such notice. Such notice, when delivered to the Contractor at the work site, shall be deemed sufficient for the purpose of notification.

-- End of Section --